

1  
2  
3 Fall 2022 Final Project <  
4

5  
6 {Bootstrap}  
7

8  
9 < Yenmin Young >  
10

11 < Dr. Shana Elizabeth Henry >

< Christine Marra >

12 / >  
13  
14

# Today's 'Presentation' {

now

Lesson

next

Modeling Example

after

Classwork

last

Discussion/Wrap Up

}

# Grids

|                     |       |       |       |       |       |       |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| col 1               | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 |
| col 3               |       |       | col 3 |       |       | col 3 |       |       | col 3 |       |       |
| col 4               |       |       |       | col 4 |       |       |       | col 4 |       |       |       |
| col 8 © tutlane.com |       |       |       |       |       |       |       | col 4 |       |       |       |
| col 2               |       | col 2 |       | col 4 |       |       |       | col 2 |       | col 2 |       |
| col 6               |       |       |       |       |       | col 6 |       |       |       |       |       |
| col 12              |       |       |       |       |       |       |       |       |       |       |       |

# Warm Up Game

Get into groups of 2's

On the count of 3, put up some number of fingers at the same time.

If you and your partner put up a total of 12 fingers, you get a point.

How many different combinations of 12 can you make?

# Warm Up Game

Now, get into groups of 3's.

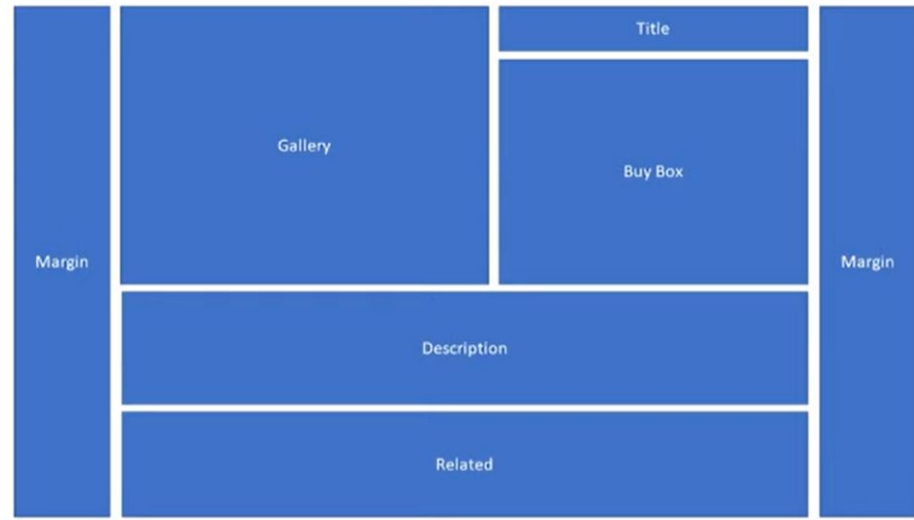
On the count of 3, put up some number of fingers at the same time.

If you and your partner put up a total of 12 fingers, you get a point.

How many different combinations of 12 can you make?

# Web Responsive Design

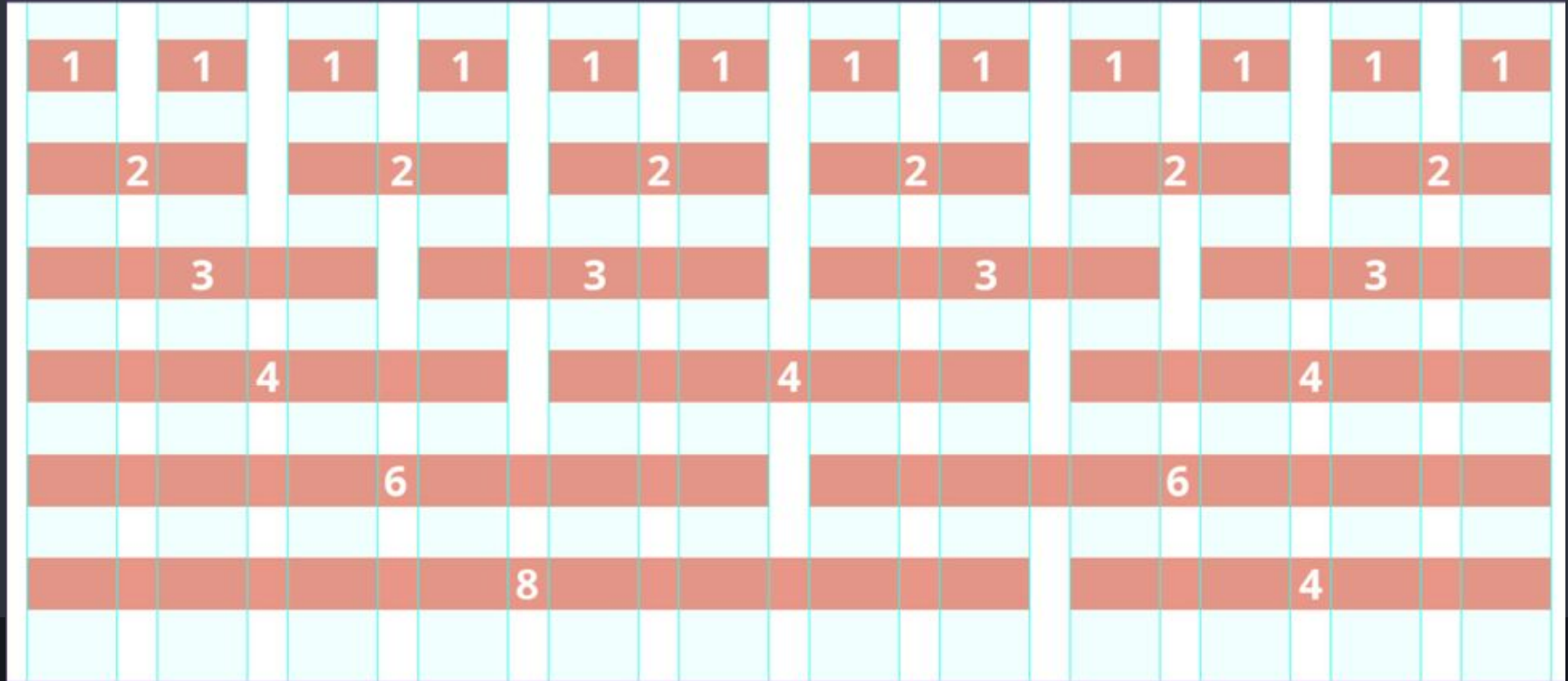
Desktop  
layout:



Tablet /  
mobile  
layout:



1 12 columns  
2



# 12 columns

4 columns ( $12/4 = 3$ )

col-3

col-3

col-3

col-3

3 columns ( $12/3 = 4$ )

col-4

col-4

col-4

2 columns ( $12/2 = 6$ )

col-6

col-6

1 column ( $12/1 = 12$ )

col-12



1

2

## How to Create the Perfect Example Grid Layouts and



# 12 Columns

2

|                     |       |       |       |       |       |       |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| col 1               | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 | col 1 |
| col 3               |       |       | col 3 |       |       | col 3 |       |       | col 3 |       |       |
| col 4               |       |       |       | col 4 |       |       |       | col 4 |       |       |       |
| col 8 © tutlane.com |       |       |       |       |       |       |       | col 4 |       |       |       |
| col 2               | col 2 |       | col 4 |       |       |       | col 2 |       | col 2 |       |       |
| col 6               |       |       |       |       |       | col 6 |       |       |       |       |       |
| col 12              |       |       |       |       |       |       |       |       |       |       |       |

13

14

# Work with Worksheet

### Task:

For each row, group the columns to fit the specified arrangement. Write the number of columns in each group. The first one has been done for you.

## 2 groups, equal width

The diagram consists of two identical horizontal bars placed side-by-side. Each bar is a light yellow rectangle with a thin black border and rounded corners. Each bar is divided into six equal-width segments by vertical black lines. Below the left bar, the text 'col-6' is centered. Below the right bar, the text 'col-6' is centered.

### 3 groups, equal width

[illegible]

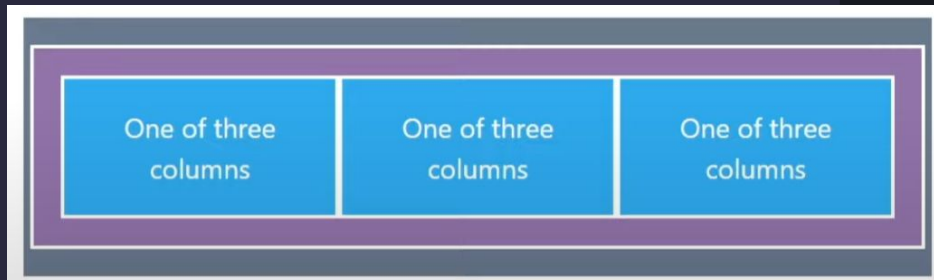
## 1 large group, 1 small group

[illegible]

# Grid System Structure

```
<div class="container">  
  <div class="row">  
    <div class="col">  
      One of three columns  
    </div>  
    <div class="col">  
      One of three columns  
    </div>  
    <div class="col">  
      One of three columns  
    </div>  
  </div>  
</div>
```

Containers  
Rows  
Columns



`class="col" vs. class="col-x"`

**“Col”**

Automatically divides all of the divs to have equal widths

**“Col-x”**

Gives a specific number of columns in that div.

1

|           |          |
|-----------|----------|
| January   | February |
| March     | April    |
| May       | June     |
| July      | August   |
| September | October  |
| November  | December |

10

11

|           |          |          |          |
|-----------|----------|----------|----------|
| January   | February | March    | April    |
| May       | June     | July     | August   |
| September | October  | November | December |

```
1 Thanks; {
```

```
2  
3 'Do you have any questions?'
```

```
4  
5  
6  
7  
8  
9  
10  
11  
12  
13 }  
14
```

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Self-Advocacy:  
Know Yourself,  
Know What You  
Need, Know How  
to Get It